From owner-qrp-l@netcom.com Sat Oct 8 15:09:41 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re 1000MPW
Date: Sat, 08 Oct 94 10:09:56 EST5EDT
Message-Id: <1994Oct08.100956.13371@wb3ffv.ampr.org>

Some good replies to this one. Here's another--a while back, perhaps a couple years ago, there was a very interesting article in SPRAT where someone pointed out the fallacy that all 1000MPWs are not equal due to the inverse square law. He proposed going to a new formula which took that fact into account and called the resulting number something like miles per root-watt. It did make all MPWs equal since it factored out the differing distances and the inverse square law. As I recall, it raised no debate and went largely unnoted; nothing further was ever heard. I think the 1000 MPW award will be around for quite some time, since it's a lot of fun and a bit of an achievement, but shouldn't be taken TOO seriously as a clinical measure of QRP success. Sure, I hit 7 million miles per watt with someone in the same town, using a detailed map to get the distance to within a few feet (and running a few nanowatts), but my working the west coast of the US with a few dozen milliwatts was a much more significant accomplishment. (And when the sunspots were really hot, that was almost trivial on 10 meters...as was working into Europe regularly with the same power, and modest antennas to boot.) The bottom line is that QRP should be fun, and whatever you have with fun with is OK. (And milliwatting is a lot of fun!) 73 and Queue Our Pea DE WA8MCQ
--
Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Sat Oct 8 22:08:42 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: MW status 8 Oct
Date: Sat, 08 Oct 94 15:21:31 EST5EDT
Message-Id: <1994Oct08.152131.28288@wb3ffv.ampr.org>

Here is the latest status on Milliwatt reprints. By the time you receive this it will probably be too late to get your name on the list. I was accepting reservations by phone (per my e-mail and packetgrams) but I gave a deadline of 8 Oct. If you are not yet on one of the lists, your only hope is that it takes me a day or two to contact N8ET with the number of copies to print. He tells me the printer is rather busy right now and will probably take 3 days after receipt of order. At that point it will be up to Bill to ship them out; worst case scenario is everyone having theirs within two weeks of today.

Checks received:

(note--a few are denoted as "faulty check"--this means that the check had some fault such as lack of signature or 1995 instead of 1994; those checks have been mailed back, with VOID written on them. Please replace them as soon as possible; no shipment until receipt of replacement check, but your copies are still reserved.)

Rich McAllister	richard.mcallister@eng.sun.com
Jeff Anderson (new check rcvd)	janderson@polycom.com
Lisa McCormack (for N0OQT)	chrismc@eecs.umich.edu
Mark Johnson KB0IHQ	
Charles Kuhn N9NVV	
Ted Kell KC5CUW	kell@lark.jsc.nasa.gov
Nils Young WB8IJN	nyoung@desire.wright.edu
Robert Marlan KA6NOC	rsm@ic.net
George DeGrazio WF0K	andromedo@aol.com
John Woods WB7EEL	jfw@ksr.com
Myron China KB0LMQ	mchina@nrel.nrel.gov
Doug Heackock AA0MS	heacock@kuhub.cc.ukans.edu
Lynn Geitgey KB0LRB	geitgey@ukanvm.cc.ukans.edu
Mike Manlove KE6PGL	mikey@cup.hp.com
John Evans N3QOO	jaevans@clark.net
Bob Easton N2IPY	bobea@watson.ibm.com
James Francoeur	p01599@psilink.com
Ranson Pelt NZ4I (faulty check)	pelt@vt.edu
Greg Taylor KD4HZ	g-taylor4@tamu.edu
James Rybak W0KSD	jrybak@mesa5.mesa.colorado.edu
Cameron Bailey KT3A	KT3A@N3KDS.EPA
Rhett Isley	rhett@willow.mhs.compuserve.com
Stephen Trier KG8IH	sct@po.cwru.edu
Mike Thomas KE4LAU	mthomas@uga.cc.uga.edu
Warren Lewis KD4YRN	saswel@unx.sas.com
Karen Garrison AA1AH	kmg@kepler.unh.edu
Ron Majewski WB8RUQ	majewski@erim.org
Gerhard Sehne N2KTY	sehneg@austin.ibm.com
Dennis Webster WJ6H	dwebster@netcom.com
Richard Urmonas VK3DRU	richard@dnd.icp.nec.com.au
Rev. George Dobbs G3RJV	
Ahmid Khan N7OLJ	

Gabe Sellers KG0NR
Chuck Adams K5FO
Trevor Smith AB5EU (still exiled in Texas)

Paulette Quick N9OUH
Bob Barry WB2CWA (faulty check)
Ted Albert KF8EE
Eric Swartz WA6HHQ

List 2: Copies reserved but no check received yet.

Rudi Ventner
Dirk Sibie
Roy Morgan
Ken Nawyn
Harry White
Jerry Miller KD2PQ
Tim Cadigan WC1F

73 and Queue Our Pea DE WA8MCQ (home phone 410-551-1633, work phone
410-290-1919; 7945 Citadel Drive, Severn, MD 21144)

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Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Sun Oct 9 00:27:39 1994
Message-Id: <555@ted.win.net>
Date: Sat, 08 Oct 1994 12:08:40
Subject: Re: Netting
From: mjsilva@ted.win.net (Michael Silva)

>If you have a super KenYaesCom rig your CW signal appears only
>in one place, but you tune the main dial till it SOUNDS nice. Here
>is your random element.
>
>If you have half a dozen bits of wire and a Lemon for a radio
>you zero beat and then jump to one side to find the signal. There
>is a bit less latitude in zero beating then hitting 500,800 or 1200Hz
>mebbe?
>
>Assuming you have a proper [FX:ducks sharpish as lemon flies overhead]
> radio, what IS the pitch to which (?) you tune to be 'on' frequency?
>

I think all the YaeComWoods are now set up so that when you match the
received audio freq. to your sidetone freq., you are zero-beat. They
derive the sidetone from the RF chain so it equals the TX offset.

Mike, KK6GM

From owner-qrp-l@netcom.com Sun Oct 9 01:59:17 1994
Message-Id: <199410090418.AAA24001@thor.INS.CWRU.Edu>
From: Stephen Trier <sct@po.cwru.edu>
Date: 9 Oct 1994   04:18:30 GMT
Subject: Re: Netting

> I think all the YaeComWoods are now set up so that when you match the
> received audio freq. to your sidetone freq., you are zero-beat.

Yep. Some do a better job of this than others. One or two models
(Icoms, if I remember) have a quirk where sidetone=zero-beat at 800 Hz
sidetone, but if you change the sidetone, you don't change the
transmit offset. Thus changing the sidetone pitch kills the zero-beat
feature.

The term "zero beat" still works, but in the musical sense. When you
tune two instruments to each other, you'll hear beats between them
as you get close to the correct pitch. As you get closer, the beats
will slow down and eventually stop. When they stop, you're perfectly
tuned. The way I do this is to switch the rig to sidetone-only mode,
key down, and tune his pitch to my sidetone. It took some practice to
be able to do this before the other guy ended his CQ, but I'm doing it
faster and faster these days. If he's sending CW at any reasonable
speed, you won't hear the beats, BTW, but you can still easily hear the
tuning effect as you his pitch together.

Figuring out how to do it on QRP rigs will be interesting. These little
rigs have a lot more functional variety than YaeComWoods! I've heard
rumors of people using 800 Hz tuning forks as a zero-beating aid -- does
anyone really do that?

           Stephen

--
Stephen Trier   "Here, but for an extraordinary physics teacher,
sct@po.cwru.edu   goes a saxophone player."
KG8IH   - Albert Overhauser, National Science Medal winner

From owner-qrp-l@netcom.com Sat Oct 8 19:41:26 1994
Date: Sat, 8 Oct 1994 18:08:28 -0400
From: Chester Bowles <bowles@mv.MV.COM>
Message-Id: <199410082208.SAA20047@mv.mv.com>
Subject: QRP Afield Results A/O October 8

OK Gang, Here are the QRP Afield results so far. These results represent _all_ entries received A/O 8 October. I'll accept logs for another week or so, but I'll close things out by the 17th (one month should be enough time to submit a log. Right?

I've also included some of the comments/soapbox stuff. Fun.

Chet, AA1EX

CALL NAME (NE #) OPERATED FROM CLASS TOTAL Q's MULT'sW1FD Meriden (CT) ARCNr Wallingford, CT H Field 6844 59
29 AA4XX Paul Stroud/Rob Capon Raleigh, NC L Field 5040 30
21 W3TS D.A. Michael Halifax, PA L Field 4896 34

18 WB4ZKA Mike Pulley #241Nr Prescott, AZ H Field 2400 30
20 WU7F Robert Farnworth #211 Bellevue, WA H Field 1976 26
19 AA1EX Chet Bowles #58 Oquossoc, ME H Field 1920 32
15 W1FMR Jim Fitton #1 Salisbury, MA H Field 1836 27
17 AA7QU Russ Carpenter Cascade Mts, OR H Field 1560 26
15 WK8S Pete Meier Nr Waterford, MI H Field 1536 24

16 K3SS Hugh Maddocks Reston, VA H Field 1512 27

14 KR4NR Carl Letter Melbourne, FL H Field 1500 25
15 VE2DRB Bob Gobrick #94 Montreal, Quebec H Perm 1288 56
23 N1CJB Walt Yatzook #282Northfield, CT H Field 1232 22
14 N1CUU Carl Heidenblad #4 Salisbury, MA H Field 1008 21
12 AA1DL Lloyd Roberts #78 Mt Snow, VT H Field 936 18
13 K3WWP John Shannon Kittanning, PA H Perm

924 44
21 N4AOX Clay Wynn Nr Knoxville, TN H Field 880 20

11 KT3A Cameron Bailey Manchester, PA L Field
576 9
8 W4OEL Shel Dunham #199 Mechanicsville, VA H Perm
468 26
18 WA2BQI Bud Peterson Jamestown, NY H Perm 405
27
15 AB5OU Tim Pettibone Las Cruces, NM L Field
336 7
6 KA9HAO Randy Jones #22 N. Kingston, RI L Perm
300 15
10 WA1OFT Tom Barbish #31 Coventry, RI H Perm
260 20
13 NXIZZ Lawrence Mergen Kansas City, MO H Perm
238 17
14 KX1E Bob Coakley #26 Portland, ME H Perm 231
21
11 WB3GCK Craig LaBarge Phoenixville, PA H Perm 117
13
9 K7YHA Rich Arland #239 Wilkes-Barre, PA H Field 100
5
5 W9CUN Ken Anderson Mt. Sterling, IL H Perm 90
10
9 KM3D Harry Bump/David Straszh Richland, PA L Field 72
3
3 KI6DS Doug Hendricks #182 Dos Palos, CA H Perm
2 2
1

Comments--Soapbox
"Late start. Wrong 12V power cord. Returned to home QTH. Torrential rains. Stayed in driveway to make 5 QSO's. I love this hobby." Rich, K7YHA
"Operated from Godek's farm, near Wallingford, CT--our usual FD QTH." Meriden (CT) ARC, W1FD
"2 hours--had fun--that's what counts. I like the time of year, time of day, and duration of contest. Family-friendly." Cameron, KT3A
"Real Field Day. In drippy clouds, sitting in wet grass on ski trail (40M wide) with umbrella over rig & op. Too windy for dupe sheets. Quit early to catch last chairlift down. Rained all the way home." Lloyd, AA1DL
"I was surprised by the number of stations participating--especially on 40 meters. There was sufficient activity to keep us going through most of the afternoon." Paul, AA4XX
"(1:30 p.m.)--This is certainly a beautiful area and not a cloud in the sky. (4:30 p.m.)--Did you ever see it rain so hard??" Carl, N1CUU
"WOW - what a great gathering. Let's do it more often with maybe a winter

challenge (QRP A-Snow?)" Bob, VE2DRB
"Good thing 'field site' was close to home--forgot keyer cable, power cable and my NE QRP #! Packed up, came home and worked a few." Randy, KA9HAO
"Antenna: Rainspout (really!) This event was a great idea. A lot more interesting (and friendlier) than a regular contest. How about running one in the spring too?" Craig, WB3GCK
"It was a great little contest. I was very pleased by the amount of activity generated." John, K3WWP
"I am enthusiastic about the concept of a mini Field Day, but wish I had heard more QRP stations. Was it poor propogation to the West Coast? Or a limited number of participants? Russ, AA7QU
"Good contest, good scoring scheme. The 6 hour duration seemed OK to me." Bob, KX1E
"Operated between thunderstorms from picnic table in the clouds at 3000 feet (Look Rock State Park, Chilhowee Mountain, TN). Finally worked NE#2. Looking forward to next time. Had a great time." Clay, N4AOX
"I went to a local State Park but due to threatening weather, I didn't start setting up until 1600Z. Shortly after, I had to move as it started to rain." Pete, WK8S
"I enjoyed the test, worked all New England states, and am looking forward to next fall." Hugh, K3SS
"Glad it didn't rain. Wish I had a rig for another band, 40M didn't come alive 'till the last hour." Walt, N1CJB
"Rain?? The sun was shining in Oquossoc, ME!." Chet, AA1EX
"I was floored by the activity. We had two stations set up--both worked many stations. First 20M QSO was with KP4DDB/QRP!!" Fim, W1FMR
"Do I win the last place prize for club members?" Doug, KI6DS

From owner-qrp-l@netcom.com Sat Oct 8 15:21:20 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re SPRAT
Date: Sat, 08 Oct 94 10:30:54 EST5EDT
Message-Id: <1994Oct08.103054.13371@wb3ffv.ampr.org>

Yes, the latest SPRAT has hit the streets here. However, don't forget that they have a US point of contact so you can send your checks in dollars with a 29 cent stamp. It's Mike Kilgore, KG5F, the former membership chairman of the QRP ARCI. As for SPRAT, I always used to tell people in private communications (not in public!) that while it was high treason and heresy for ME to say this (being a writer and columnist for the QRP Quarterly), that if a person only joined one QRP group, it should be GQRP. Now that we have 72 and QRPp I no longer say that; I now have to recommend that if a person can only join one QRP group that they bite the bullet and join 4! For those of you out there who do not get SPRAT, I highly recommend that you do--it's a great QRP journal! 73 and Queue Our Pea DE WA8MCQ
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From owner-qrp-l@netcom.com Sun Oct 9 00:09:01 1994
Date: Sat, 8 Oct 1994 20:58:16 -0500 (CDT)
From: Adrian Weiss W0RSP English Department <AWEISS@charlie.usd.edu>
Message-Id: <941008205816.9ae@charlie.usd.edu>
Subject: THE MILLIWATT -- what is it? what's in it?

Hi Gang!

You've undoubtedly noticed that Mike WA8MCQ has been taking orders for xeroxed reprints of THE MILLIWATT: NATIONAL JOURNAL OF QRPp. You don't want to pass up this opportunity, since only Mike's fantastic dedication to the QRP cause is behind it! He shouldn't have to keep doing this reprinting project over and over again.

Newcomers to QRPp (the last 15 years or so) probably don't know what THE MILLIWATT was or what is in it. I thought that it might be helpful to the group to add some details to Mike's general comments about this little quarterly that "started it all" in regard to the QRPp world that we all now enjoy and take for granted. Before THE MILLIWATT, we QRPp'rs were isolated individuals out there plying our approach to ham radio, alone except for the very rare random QSO with another QRPp'r. Until THE MILLIWATT, we were basically invisible, both to the ham world and to each other. No one knew that QRPp was a way of life shared by others. Occasional references in QST etc. to QRPp exploits of one sort or another was met with the attitude: "Oh, that's amazing -- I wonder when I can catch the guy on 75m s.s.b. to chat about the details." As far as 99.9% of the ham world was concerned, operating QRPp was a "lark" -- something a ham did when totally bored, just for kicks. You needed the edge provided by the linear when really operating!

Now, as Mike noted, THE MILLIWATT was hand-typed by me back in the "old days" -- boy what I could have done with a DTP operation! The photos will suffer from reprinting, but will still be intelligible.

What is in THE MILLIWATT? If you read through the 33 issues, you will have a ringside seat watching the beginning of QRPp as a segment of our hobby and its growth to the point where over 800 active QRPp'rs were subscribing and contributing. We

started out with a mailing of about 25! In the meantime, G3RJV was inspired to start the G-QRP-C whose membership makes THE MILLIWATT'S subscriber list look like an invitation to a local afternoon tea-party. The MI-QRP-C was another spawn of THE MILLIWATT. The U.S. QRP-ARC-I was still a 100-watt club five years after THE MILLIWATT died.

You will be amused by a few tube rigs included among the growing number of transistor rigs. (WA8MCQ was one of the early solid-state transmitter designers.) Back then, knowing how to make a transistor puff out a few watts of r.f. was the privilege of Motorola and Defense Contractor Co.'s engineers. Not much to go on. Very few usable power trannies until the CB market brought the '5589 and '5590 down into affordable range! We got whatever we could, and set about making it put out r.f. Power-FET's were in the future. Direct conversion receivers were made to work with audio filtering 'ala Wes Hayward W7ZOI, who, with Doug DeMaw, then W1CER, did QRPp great service by "showing us how" in special QST articles. You won't see any of the new mixer chips, but you will run across stuff about C.C.W. Overall, you'll see ancient history in comparison to what "QRPp" of NorCalClub and SPRAT of G-QRP-C publishes these days! (Well, almost: not quite as ancient as the late '50's stuff solid-state stuff you can read about in HISTORY OF QRP IN THE U.S. 1924-1960!)

On the other hand, I'd venture to say that the articles about technical topics and the "Operating Reports" section contain as much or more useful BASIC operating information that more recent books! We didn't have the answers back then -- we were trying to find out what QRPp could do and how to make it work.

THE MILLIWATT instituted the DXCC QRPp (5 watts) and DXCC MILLIWATT Trophy programs to motivate guys to try to attack the DX barrier. We had a hard enough time working across states let alone oceans. But K4OCE checked in with his 100 bonafide QSL's in 1971, then W2GRR in 1975, K8MFO, W6PQZ, and N2AA in 1976 - during a trough in the cycle. But a lot of us were trying (I didn't finish mine until 1983 -- #58). We kept running lists of DXCC standings to keep up the morale. Of course, the DXCC MILLIWATT Trophy was more like Sci-Fi: work 100 with under 1-watt? Crazy. Impossible -- until Ron Moorefield W8ILC did it on S.S.B. by 1978. He was up to 300 by 1984! Of course, most of the guys on this net don't even question the possibility of working DX with QRPp. That is because about 85 guys won the DXCC QRPp trophy by 1987! Commonplace, hardly a challenge, eh? In 1971, it seemed impossible. Now Randy AA2U has 100 countries on every band they've created! There was a time when working DX with QRPp was incredible.

Soooo, overall, if you really want to "join the fraternity" and know where we've come from, check out WA8MCQ's reprint offer. You just might hold your head a bit higher! Old Rockey W9SCH used to like the motto: "QRPp puts the operator back in operating." A successful QRPp operator has a right to be proud!

73, Ade W0RSP

Mike's e-mail: "Mike.Czuhajewski@hambbs.wb3ffv.ampr.org"
Drop him a line for price and details - soon!